

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT	ATTY. DOCKET NO. PPL-1 reissue	SERIAL NO. 09/232,488
	APPLICANT Prunkard, et al.	
	FILING DATE January 15, 1999	GROUP 1632

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,873,316	10/10/89	Meade et al.			
	5,304,489	4/19/94	Rosen			
	5,366,894	11/22/94	Clark et al.			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	WO88/00239	1/14/88					
	WO90/05188	5/17/90					
	WO91/03216	6/13/91					
	WO92/11358	7/9/92					
	WO92/11757	7/23/92					

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. PPL-1 reissue	SERIAL NO. 09/232,488
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT Prunkard, et al.	
		FILING DATE January 15, 1999	GROUP 1632

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	
	Behringer et al., "Synthesis Of Functional Human Hemoglobin In Transgenic Mice," <u>Science</u> , 245: 971-973 (1989).
	Binnie et al., "Characterization Of Purified Recombinant Fibrinogen: Partial Phosphorylation Of Fibrinopeptide A," <u>Biochemistry</u> , 32:107-113 (1993).
	Bolyard, M.G., et al., "Expression In Escherichia Coli Of The Human Fibrinogen B β Chains And Its Cleavage By Thrombin," <u>Blood</u> , 73:1202-1206.
	Burdon et al., "Expression Of A Whey Acidic Protein Transgene During Mammary Development," <u>The Journal of Biological Chemistry</u> , 266(11):6909-6914 (1991).
	Chung, Dominic W., et al., "Characterization Of A Complementary Deoxyribonucleic Acid And Genomic Deoxyribonucleic Acid For The β Chain Of Human Fibrinogen," <u>Biochemistry</u> , 22:3244-3250 (1983).
	Chung et al., "Characterization Of A Complementary Deoxyribonucleic Acid Coding For The γ Chain Of Human Fibrinogen," <u>Biochemistry</u> , 22(13):3250-3256 (1983).
	Chung et al., "Nucleotide Sequences Of The Three Genes Coding For Human Fibrinogen," <u>Adv. Exp. Med.</u> , 201:39-48 (1990).
	Clark et al., "Pharmaceuticals From Transgenic Livestock," <u>Tibtech</u> , 5:20-24 (1987).
	Clark et al., "Expression of human anti-hemophilic factor IX in the milk of transgenic sheep," <u>Bio/Technology</u> , 7:487-492 (1989).
	Clark et al., "Rescuing Transgene Expression By Co-Integration," <u>Bio/Technology</u> , 10:1450-1454 (1992).
	Danishefsky, K., et al., "Intracellular Fate Of Fibrinogen B β Chain Expressed In COS Cells," <u>Biochem. Biophys. Acta</u> , 1048:202-208 (1990).
	James Darnell, <u>Molecular Cell Biology</u> abstract "The Organization Of DNA Differs Greatly In Prokaryotic and Eukaryotic Cells," p. 137 (Scientific American Books, 1986).
	DiTullio et al., "Production Of Cystic Fibrosis Transmembrane Conductance Regulator In The Milk Of Transgenic Mice," <u>Bio/Technology</u> , 10:74-77 (1992).
	Dobrovolsky et al., "Human γ -Interferon Expression In The Mammary Gland Of Transgenic Mice," <u>FEBS Letters</u> , 319:181-184 (1993).

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. PPL-1 reissue	SERIAL NO. 09/232,488
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT Prunkard, et al.	
		FILING DATE January 15, 1999	GROUP 1632

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	
	Drohan et al., "Inefficient Processing Of Human Protein C In The Mouse Mammary Gland," <u>Transgenic Research</u> , 3:355-364 (1994).
	Farrell, D.H. et al., "Binding Of Recombinant Fibrinogen Mutants To Platelets," <u>J. Biol. Chem.</u> , 269:226-231 (1994).
	Farrell et al., "Recombinant Human Fibrinogen And Sulfation Of The γ' Chain," <u>Biochemistry</u> , 30(39):9414-9420 (1991).
	Greenberg et al., "Expression Of Biologically Active Heterodimeric Bovine Follicle-Stimulating Hormone In Milk Of Transgenic Mice," <u>Biochemistry</u> , 88:8327-8331 (1991).
	Grosschedl, R., et al., "Introduction Of A μ Immunoglobulin Gene Into The Mouse Germ Line; Specific Expression In Lymphoid Cells And Synthesis Of Functional Antibody," <u>Cell</u> , 38:647-658 (1984).
	Hartwig, R. et al., "Studies On The Assembly And Secretion Of Fibrinogen," <u>J. Biol. Chem.</u> , 266:6578-6585 (1991).
	Hennighausen, Lothar, "The Mammary Gland As A Bioreactor: Production Of Foreign Proteins In Milk," <u>Protein Expression And Purification</u> , 1:3-8 (1990).
	Hurtley et al., "Protein Obligomerization In The Endoplasmic Reticulum," <u>Annu. Rev. Cell Biol.</u> , 5: 277-307 (1989).
	Lee, S.H., et al., "Production Of Biomedical Proteins In The Milk Of Transgenic Dairy Cows; The State Of The Art," <u>J. Controlled Release</u> , 29:213-221 (1994).
	Lord, Susan T., "Expression Of A Cloned Human Fibrinogen cDNA In Escherichia Coli: Synthesis Of An A Alpha Polypeptide," <u>DNA</u> , 4:33-38 (1980).
	Lord, Susan T., et al., "Expression Of A Fibrinogen Fusion Peptide In Escherichia Coli: A Model Thrombin Substrate For Structure/Function Analysis," <u>Blood</u> , 73:166-171 (1989).
	Massoud et al., "The Deleterious Effects Of Human Erythropoietin Gene Driven By The Rabbit Whey Acidic Protein Gene Promoter In Transgenic Rabbits," <u>Ann Zootech</u> , 45:1-9 (1996).
	McClenaghan et al., "Secretory Proteins Compete For Production In The Mammary Gland Of Transgenic Mice," <u>Biochemical Journal</u> , 310:637-641 (1995).
	Mishina et al., "Molecular Distinction Between Fetal And Adult Forms Of Muscle Acetylcholine Receptor," <u>Nature</u> , 321:406-411 (1986).

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. PPL-1 reissue	SERIAL NO. 09/232,488
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT Prunkard, et al.	
		FILING DATE January 15, 1999	GROUP 1632

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	
	Morcol et al., "The Porcine Mammary Gland As A Bioreactor For Complex Proteins," <u>Recombinant DNA Technology II</u> , 721:218-233 (1994).
	Nicoll et al., "Estimates Of Parenchymal, Stromal, And Lymph Node Deoxyribonucleic Acid In Mammary Glands Of C311/Crgl/2 MICE," <u>Life Sciences</u> , 4(9):993-1001 (1965).
	Palmiter, Richard D., et al., "Transgenic Mice," <u>Cell</u> , 41:343-345 (1985).
	Pittius et al., "A Milk Protein Gene Promoter Directs The Expression Of Human Tissue Plasminogen Activator cDNA To The Mammary Gland In Transgenic Mice," <u>Biochemistry</u> , 85:5874-5878 (1988).
	Prunkard et al. UCLA Symposia on Molecular and Cellular Biology (February 8-14, 1993, Taos, New Mexico), "High Level Secretion Of Recombinant Human Fibrinogen In BHK Cells Is Limited By A Post-Transcriptional Process," <u>Journal of Cellular Biochemistry</u> , Vol. 17C, Abstract H123 (1993).
	Prunkard et al., "High-Level Expression Of Recombinant Human Fibrinogen In The Milk Of Transgenic Mice," <u>Nature Biotechnology</u> , 14:867-871 (1996).
	Reddy et al., "Expression Of Human Growth Hormone In The Milk Of Transgenic Mice," <u>Animal Biotechnology</u> , 2(1):15-29 (1991).
	Redman, C., et al., "Recombinant Production, Secretion, And Clotting Behavior Of Fibrinogen And Cell Line Used Therein," <u>Chemical Abstracts</u> , 115: 526 (1991).
	Rixon, M.W., et al., "Nucleotide Sequence Of The Gene For The γ Chain Of Human Fibrinogen," <u>Biochemistry</u> , 24:2077-2086 (1985).
	Rixon et al., "Characterization Of A Complementary Deoxyribonucleic Acid Coding For The α Chain Of Human Fibrinogen," <u>Biochemistry</u> , 22(13):3237-3244 (1983).
	Roy et al., "Assembly And Secretion Of Recombinant Human Fibrinogen," <u>The Journal of Biological Chemistry</u> , 266(8):4758-4763 (1991).
	Shani et al., "Expression Of Human Serum Albumin In The Milk Of Transgenic Mice," <u>Transgenic Research</u> , 1(5):195-208 (1992).
	Simons et al., "Gene Transfer Into Sheep," <u>Bio/Technology</u> , 6:179-183 (1988).
	Sinai Yarus et al., "Engineering Transgenes For Use In The Mammary Gland," <u>Genetic Engineering</u> , 18:57-81 (1996).

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. PPL-1 reissue	SERIAL NO. 09/232,488
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT Prunkard, et al.	
		FILING DATE January 15, 1999	GROUP 1632

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	
	Storb et al., "Transgenic Mice With μ And κ Genes Encoding Antiphosphorylcholine Antibodies," <u>The Journal of Experimental Medicine</u> , 164:627-641 (1986).
	Tojo et al., "Production And Characterization Of Transgenic Mice Expressing A hGH Fusion Gene Driven By The Promoter Of Mouse Whey Acidic Protein (mWAP) Putatively Specific To Mammary Gland," <u>Journal of Reproduction and Development</u> , 39(2):145-155 (1993).
	Turner et al., "Proteins Are Secreted By Both Constitutive And Regulated Secretory Pathways In Lactating Mouse Mammary Epithelial Cells," <u>The Journal of Cell Biology</u> , 117:269-278 (1992).
	Velander et al., "High-Level Expression Of A Heterologous Protein In The Milk Of Transgenic Swine Using The cDNA Encoding Human Protein C," <u>Applied Biological Sciences</u> , 89:12003-12007 (1992).
	Whitelaw et al., "Position-Independent Expression Of The Ovine β -Lactoglobulin Gene In Transgenic Mice," <u>Biochemical Journal</u> , 286:31-39 (1992).
	Wilkins et al., "Isolation Of Recombinant Proteins From Milk," <u>Journal of Cellular Biochemistry</u> , 49:333-338 (1992).
	Yu et al., "Fibrinogen Precursors," <u>The Journal of Biological Chemistry</u> , 259(16):10574-10581 (1984).
	Yu et al., "Functional Human CD4 Protein Produced In Milk Of Transgenic Mice," <u>Mol. Biol. Med.</u> , 6:255-261 (1989).

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.